FIELD ARTILLERY TACTICAL DATA SYSTEMS (FATDS)

Setting the Conditions for Warfighter Success !

I Corps Artillery Fire Support Conference

CURRENT FOCUS

- **Support OIF/OEF Fieldings and Deployments**
- **Influence Joint Fires Doctrine: FSCM and Killboxes**
- **Simplify and integrate digital systems**
- **Develop and field replacement GDUs**
- **Improve lightweight fire direction systems**
- **Participate in the Top Down Battle Command Develop**
- **Support Stryker and Future Force Efforts**
- **Support Institutional Training**

OIF – 2 SUPPORT

1st Infantry Division

- AFATDS NETT: Complete
- Systems Being Fielded: 53 CCU, 19 EMT, & 5 HF radio cables
- Installation Dates: 1-19 DEC 03
- AFATDS NET -- Completed
- WFX Exercise: 8-17 DEC 03
- In country Support: Contract support
- Non-deploying equipment will be installed FEB-MAR 04

COMPLETE

30th ESB

- Systems Being Fielded: 13 CCU2, 8 EMT, RHC, & 5 HF radio cables
- Installation Dates: 10-23 NOV 03
- NET: 17 NOV-3 DEC 03 (AFATDS), 24-30 NOV 03 (RHC)
- WFX Exercise: 8-17 DEC 03
- CPX Support: 1-19 DEC 03
- In country Support: Contract w/1ID

COMPLETE

39th ESB

- Systems Being Fielded: 9 CCU2, 7 EMT, 21 RHC, & 5 HF radio cables
- Installation Dates: 10-23 NOV 03 (RHC)
  - AFATDS TBD in DEC 03/JAN 04 (none required – LNO kits vs. IFs)
- NET: 18 NOV-4 DEC 03 (AFATDS), 24-30 NOV 03 (RHC)
- WFX Exercise: 8-17 DEC 03
- In country Support: Contract

COMPLETE

81st ESB

- Systems Being Fielded: 12 Laptop LNO Kits, 7 EMT, 30 (V)1 & 4 (V)2 RHC, & 5 HF radio cables
- Installation Dates: 8-12 Dec 03 for RHC
- NET: AFATDS 7-22 Jan 04, RHC 12-22 Jan 04
- In country Support: Contract w/higher HQs

OIF – 2 SUPPORT

III Corps

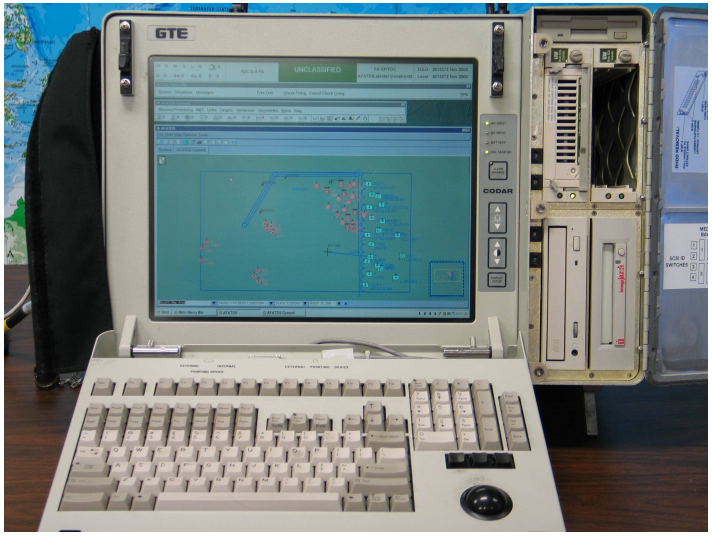
- Systems Being Fielded:
  - 10 “ruggedized” laptops to replace 10 existing UCU computers
  - 5 “commercial” laptops “Thunder Dome”
  - 5 HF radio interface cables ($600 each)
- Fielding Dates: DEC 03/JAN 04
- Fielding Location: Fort Hood, TX

1st Cavalry Division

- Fielding 5 HF radio cables
- Installation Dates: None required
- NET: None required
- WFX Exercise: 8-17 DEC 03
- In country Support: 1 for 1 replacement

197th FAB

- Systems Being Fielded: 22 Laptop LNO Kits, 4 EMT, 10 (V)1 & 3 (V)2 RHC
- Installation Dates: N/A
- NET: AFATDS 12-28 Jan 04 (1-201 FA/3-178 FA)
- In country Support: Contract w/higher HQs



AFATDS NET FY-04

Oct 03	Nov 03	Dec 03	Jan 04	Feb 04	Mar 04	Apr 04	May 04	Jun 04	Jul 04	Aug 04	Sep 04
1-111 FA (41 FAB) HQ, 54th FAB Ft. Pickett, VA 10 Sep-3 OCT 03		1-206 FA (39 SIB) Ft. Hood, Texas (Accelerated NET) 18 Nov-4 Dec 03				HQ, 5-113 FA, (113 FAB) Fort Bragg, NC 28 Apr-7 June 04		D/3-19FA 173 ABN (SETAF) 3 Jun-2 Jul	3-116 FA (p/o 151 FAB) Avon Park, FL 14 Jul-5 Aug 04		1-141 FA (256 SMB) CP Shelby, MS 26 Aug-17 Sep 04
	2 ID, Korea 21 Oct-15 Nov		4-11 FA (-)(SBCT 3) Ft. Wainwright, AK 15 Jan-25 Feb 04					1-120 (32 SIB) 1-121 FA (57th FAB) Ft. McCoy, WI 2-24 Jun 04	2-114 FA (155 SAB) CP McCain, MS 21 Jul-12 Aug 04		
1 ID(-), Germany 20 Oct-7 Nov			2-146 FA (81 SMB) Fort Lewis, WA (Accelerated NET) 7-22 Jan 04				HQ, 1-142FA, 2-142 FA 3-115 FA (142 FAB) Ft. Chaffee, AR 26 May-18 Jun 04		1-161 FA (113 FAB) Salina, KS 21 Jul-14 Aug 04		2-218 FA (41 SIB) Portland, OR 8-30 Sep 04
	1-113 FA (30 SIB) Ft. Bragg, NC (Accelerated NET) 17 Nov-3 Dec						4-11 FA (-) (SBCT 3) Ft. Wainwright, AK 3 May-8 Jun 04		1-103 FA, 1-102 FA (103 FAB) Cranston, RI 28 Jul-19 Aug 04		
						1-178 FA (218 SMB), HQ 151FAB & 3-178 FA (151 FAB) Columbia, SC 28 Apr-20 May 04			1-157 & 2-157 FA, 1-202 FA (169 FAB) Ft. Carson, CO 7-29 Jul 04		

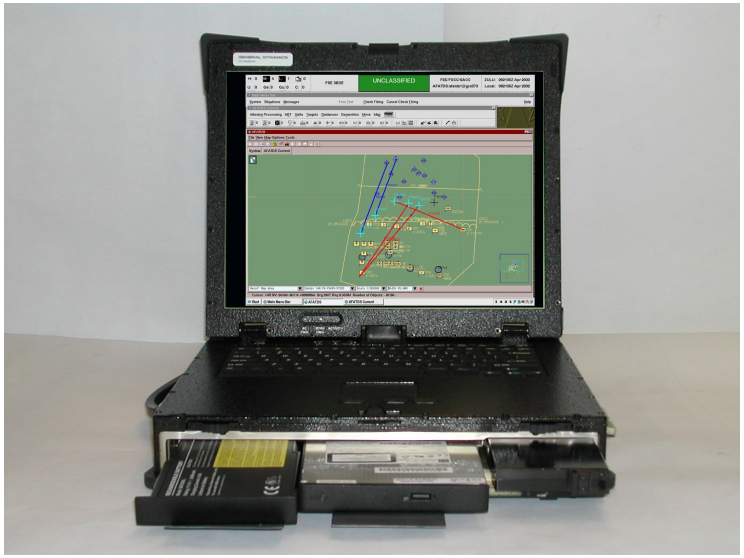
MR V6.3.2.0: December 2003

AFATDS NET FY-05

Oct 04	Nov 04	Dec 04	Jan 05	Feb 05	Mar 05	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sep 05
HQ, 1&3-117 FA, 1-114 FA (631 FAB) CP Shelby, MS 19 Oct-11 Nov 04					278 ACR VTA Smyrna, TN 31 Mar-22 Apr 05			2 & 3- 123 FA (ILARNG) (p/o 54 FAB) Camp Atterbury, IN 8-30 Jun 05			
1-148 FA (116 SAB) Pocatello, ID 27 Oct-18 Nov 04			1 & 2-180FA, HHB (p/o 153 FAB) Phoenix, AZ 27 Jan-18 Feb 05						1-160th FA (45 SIB) OKARNG 7-29 Jul 05		
	1 &3-162 FA p/o153 FAB Camp Santiago, Puerto Rico 26 Nov-18 Dec 04						3-139FA (103 FAB) 2-150 FA (54 FAB) INARNG Camp Atterbury, IN 12 May-3Jun 05				
	2-162 FA (92 SIB) Camp Santiago, Puerto Rico 26 Nov-18 Dec 04		1-5 FA (1st ID) Ft. Riley, KS 5 Jan-9 Feb 05				2-300 FA, 1-190 FA, 1-145 FA, HHB (115 FAB) WYARNG 19 May-10 Jun 05				
									2-116 FA (53 SIB) Camp Blanding, FL 7-29 Jul 05		

MR V6.5: December 2004

AFATDS OVERVIEW



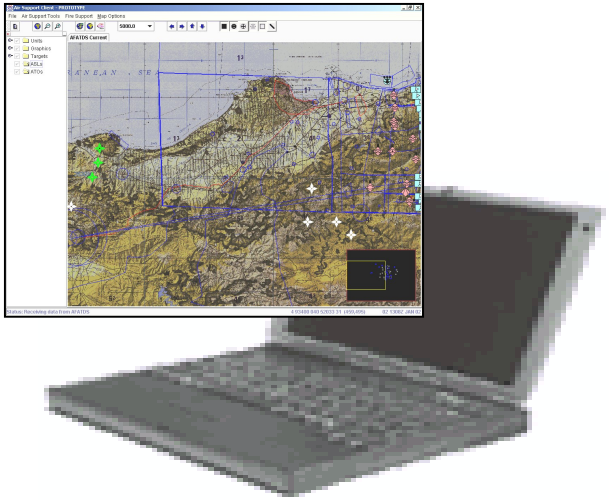
Current Issues/Actions

- 99 % of Active Army, 50% of NG, and 100% USMC currently fielded
- Installed on 10 USN ships.
- 6.3.2 release 2 QTR 04 (Feb 04)
- AFATDS Laptop System

- Rugged Laptop Computer
  - SPARC Book 5000 Tadpole
  - 15” LCD, 1400 x 1050 TFT Display
  - 2 GB RAM, 40 GB RHDD, DVD/CD-RW
  - PGX32 Graphics, Dual Ethernet
  - 2 Type I, II, one Type III PCMCIA
  - RS-232C/423 serial Port, 2 USB ports
- E
  F

- 2 SP-TCIMS
- Analog Digital Radio Cable, EPLRS/Digital Radio Cable
- Digital Radio/WLA Cable

OVERVIEW



Effects Management Tool (EMT)

- EMT software version 6.3.1.0.B (15 Jan 03).
- Develop and Field in Conjunction with AFATDS.
- 6.3.2 release 2 QTR 04 (Feb 04).
- Improving air functionality
- Counterfire COP
- FA Journal Article in Jan/Feb

FSCOORD Synchronization Tool (FST)

- Integration of Communications Bridge w/ AFATDS
- Initial release: April 05.

OVERVIEW

Lightweight Technical Fire Direction System (LWTFDS)

- 25 JAN 04: Material Release (MR).
- 2d QTR 04: First Unit Equipped (18 FAB).
- 2d QTR 04: Training for USAFAS I&KP.

Pocket-size Forward Entry Device (PFED)

- 25th LID User Evaluation: Feb 03.
- First Govt Conf Demo: Mar 03.
- Govt Conf Demo: Oct 03.
- User / Customer Test (25th ID) : Oct 03.
- First Unit Equipment date: 2d Qtr 04

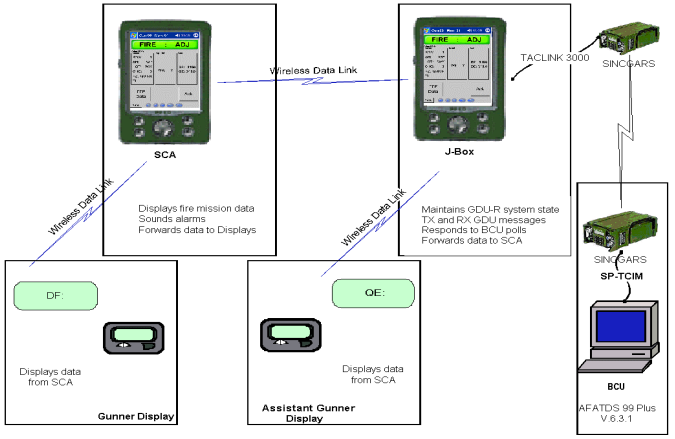
OVERVIEW

Lightweight forward Entry Device (LFED)RHC

- **Materiel release (FS Package 7): Dec 03.**

Gun Display Unit Replacement (GDU (R)

- **GDU-R program on hold due to FY04/05 funding shortage.**
- **Additional $4.5M needed to continue development/testing & fielding GDU-R**
- **Currently pursuing Foreign Military Sales $ from Bahrain & Portugal to augment $**
- **No MVS/MCA interface initially**



OIF – LESSONS LEARNED

Sustain

- Stable and reliable AFATDS software
- AFATDS and Multiple Subscriber Equipment (MSE) Interface
- Tactical application that plans, computes, coordinates and executes cannon, rocket and missile fire missions
- Coordination and communication ability that links units and executes fire support tasks
- Outstanding proficiency level of Army and Marine Corps operators
- Key military leaders' command capabilities that allow them to integrate AFATDS as combat force multiplier

Improve

- Hardware durability - sand, vibration heat
- Fire support tool for higher echelons
  - Limited geometries
  - Interoperability with all U.S. systems
- Air support mission planning functionality
- Database restoration and management
- Use of High Frequency (HF) and satellite communications - Refine network strategy
- Fire Support functionality; Tech FD
- Soldier– Machine Interface

Version 6.3.2

- Common Grid Reference System (Killbox) Tool
- Auto SEAD
- Implement Precision Guided Munitions
- Integration of HIMARS System
- Field AFATDS Laptop
- HF radio Interface (PRC-150)
- Geometries & Target

Version 6.4.0

- SATCOM Interface (PSC-5)
- Friendly Unit/ Protected Area Checks
- Improve Interface w/ NATO Systems
- Improve Vector Display/Management
- Tactical and Technical Fire Control Improvements
- Fire Support Plan/Schedule of

SET THE CONDITIONS FOR WARFIGHTER SUCCESS!